

## STN Columbus

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAplus  
NEWS 5 FEB 05 German (DE) application and patent publication number format changes  
NEWS 6 MAR 03 MEDLINE and LMEDLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 APRIL 2004  
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NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.21 0.21

FILE 'ENCOMPPAT2' ENTERED AT 09:45:46 ON 26 APR 2004  
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FILE COVERS 1964 TO 22 Apr 2004 (20040422/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s (catalyst (l) catalyst support (l) nickel (l) molybdenum (l) ethylene glycol)/lt
106840 CATALYST/LT
18029 CATALYST SUPPORT/LT
23909 NICKEL/LT
17416 MOLYBDENUM/LT
3785 ETHYLENE GLYCOL/LT
L1      0 (CATALYST (L) CATALYST SUPPORT (L) NICKEL (L) MOLYBDENUM (L)
          ETHYLENE GLYCOL)/LT
```

```
=> s (catalyst and nickel and molybdenum and ethylene glycol)
128422 CATALYST
24321 NICKEL
17548 MOLYBDENUM
36734 ETHYLENE
15172 GLYCOL
4446 ETHYLENE GLYCOL
          (ETHYLENE(W) GLYCOL)
L2      39 (CATALYST AND NICKEL AND MOLYBDENUM AND ETHYLENE GLYCOL)
```

```
=> s hydrodesulfurization/ct
L3      4248 HYDRODESOULFURIZATION/CT
```

```
=> s 12 and 13
L4      7 L2 AND L3
```

```
=> d 1-7
```

L4 ANSWER 1 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

AN 2002:9851 ENCOMPPAT;ENCOMPPAT2

DN P200214637

TI Preparation of **catalyst** composition useful in hydroprocessing of hydrocarbon feedstocks, involves incorporating organic oxygen-containing additive at any time of reaction of metal components

IN CERFONTAIN M B; EIJSBOUTS S; PLANTENGA F L

PA CERFONTAIN M B; EIJSBOUTS S; PLANTENGA F L; AKZO NOBEL NV

PI WO 2002004117 20020117

DS AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZW; AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT;

SD; SE; SL; SZ; TR; TZ; UG; ZW  
 AI WO 2001-EP7733 20010705  
 PRAI US 2001-277733P 20010331  
 EP 2000-202468 20000712  
 OS DERWENT 2002291759  
 LA English

L4 ANSWER 2 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 97:2906 ENCOMPPAT;ENCOMPPAT2  
 DN 9710618  
 TI Activating hydrotreating **catalyst** comprising Gp.-VIII and Gp.-VI hydrogenation metal oxide(s) on carrier - by contacting with additive contg. at least two hydroxyl gps. or polyether(s) and drying, giving high desulphurising and de-nitrogenating powers  
 IN UEKUSA K; URAGAMI Y; YAMAGUCHI E; YOKOZUKA H  
 PA SUMITOMO METAL MINING CO  
 PI WO 9641848 961227  
 DS AL; AM; AT; AU; AZ; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG; US; UZ; VN; AT; BE; CH; DE; DK; EA; ES; FI; FR; GB; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SZ; UG  
 AI WO 1996-IB565 960607  
 PRAI JP 1995-166783 950608  
 OS DERWENT 97065443  
 LA English

L4 ANSWER 3 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 95:9335 ENCOMPPAT;ENCOMPPAT2  
 DN 9512316  
 TI Catalyst for hydrogenative desulphurisation and denitration of hydrocarbon oil - contg. boria-silica-alumina composite, **catalyst** metal, polyol and organic sulphur cpd.  
 PA SUMITOMO METAL MINING CO  
 PI JP 7232078 950905  
 AI JP 1994-167616 940720  
 PRAI JP 1993-331646 931227  
 OS DERWENT 95339426

L4 ANSWER 4 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 95:9334 ENCOMPPAT;ENCOMPPAT2  
 DN 9512315  
 TI Catalyst for hydrogenative desulphurisation denitration of hydrocarbon oil - contains boria-silica-alumina composite, **catalyst** metal and polyol  
 PA SUMITOMO METAL MINING CO  
 PI JP 7232077 950905  
 AI JP 1994-128503 940610  
 PRAI JP 1993-331647 931227  
 OS DERWENT 95339425

L4 ANSWER 5 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 93:4136 ENCOMPPAT;ENCOMPPAT2  
 DN 9351723  
 TI 2-Methyl-naphthalene prodn. - from oil contg. 1-methyl-naphthalene, by

isomerisation after azeotropic distn. with **ethylene glycol**, useful as intermediate for pharmaceuticals e.g. vitamin-K

IN HORITA T; NOBUSAWA T; SUZUKI T; TAKAGI Y  
 PA KAWASAKI STEEL CORP  
 PI EP 528384 930224  
 DS DE; FR; GB; IT  
 AI EP 1992-113924 920814  
 PRAI JP 1992-54817 920313  
 JP 1991-205784 910816  
 OS DERWENT 93060262  
 LA English

L4 ANSWER 6 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 93:1452 ENCOMPPAT;ENCOMPPAT2  
 DN 9310407  
 TI Method for refining methylnaphthalene contg. oil - comprising azeotropically distilling with **ethylene glycol** and hydrodesulphurising in the presence of a supported molybdenum, cobalt or nickel catalyst  
 IN NOBUSAWA T; SUZUKI T; TAKAGI Y  
 PA KAWASAKI STEEL CORP  
 PI EP 518294 921216  
 DS DE; FR; GB; IT  
 AI EP 1992-109756 920610  
 PRAI JP 1992-54817 920313  
 JP 1991-139026 910611  
 OS DERWENT 92417195  
 LA English

L4 ANSWER 7 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 92:7572 ENCOMPPAT;ENCOMPPAT2  
 DN 9212039  
 TI Hydrocarbon oil hydrogenation **catalyst** prodn. - comprising drying **catalyst** loaded with gp-VI and VIII metals which is mixed with polyol and impregnated on pref. alumina support  
 PA Sumitomo Metal Mining Co  
 PI JP 4166232 920612  
 PRAI JP 1990-288476 901029  
 OS DERWENT 92246394

=> s (catalyst and nickel and molybdenum and (saccharide or polysaccharide))  
 128422 CATALYST  
 24321 NICKEL  
 17548 MOLYBDENUM  
 139 SACCHARIDE  
 2431 POLYSACCHARIDE  
 L5 28 (CATALYST AND NICKEL AND MOLYBDENUM AND (SACCHARIDE OR POLYSACCH ARIDE))

=> s 13 and 15  
 L6 7 L3 AND L5

=> d 1-7

L6 ANSWER 1 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text  
 INC. on STN  
 AN 2002:9852 ENCOMPPAT;ENCOMPPAT2

DN P200214638  
 TI Catalyst composition for hydrotreating hydrocarbon feed stocks, comprises VIII group non-noble metal component(s) and at least two VIB group metal components, and combustible binder material  
 IN EIJSBOUTS S  
 PA EIJSBOUTS S; AKZO NOBEL NV  
 PI WO 2002004118 20020117  
 DS AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZW; AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SL; SZ; TR; TZ; UG; ZW  
 AI WO 2001-EP7734 20010705  
 PRAI US 2001-277732P 20010321  
 EP 2000-202467 20000712  
 OS DERWENT 2002291760  
 LA English

L6 ANSWER 2 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 2002:9851 ENCOMPPAT;ENCOMPPAT2  
 DN P200214637  
 TI Preparation of catalyst composition useful in hydroprocessing of hydrocarbon feedstocks, involves incorporating organic oxygen-containing additive at any time of reaction of metal components  
 IN CERFONTAIN M B; EIJSBOUTS S; PLANTENGA F L  
 PA CERFONTAIN M B; EIJSBOUTS S; PLANTENGA F L; AKZO NOBEL NV  
 PI WO 2002004117 20020117  
 DS AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZW; AT; BE; CH; CY; DE; DK; EA; ES; FI; FR; GB; GH; GM; GR; IE; IT; KE; LS; LU; MC; MW; MZ; NL; OA; PT; SD; SE; SL; SZ; TR; TZ; UG; ZW  
 AI WO 2001-EP7733 20010705  
 PRAI US 2001-277733P 20010331  
 EP 2000-202468 20000712  
 OS DERWENT 2002291759  
 LA English

L6 ANSWER 3 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION  
Full Text

INC. on STN  
 AN 97:2906 ENCOMPPAT;ENCOMPPAT2  
 DN 9710618  
 TI Activating hydrotreating catalyst comprising Gp.-VIII and Gp.-VI hydrogenation metal oxide(s) on carrier - by contacting with additive contg. at least two hydroxyl gps. or polyether(s) and drying, giving high desulphurising and de-nitrogenating powers  
 IN UEKUSA K; URAGAMI Y; YAMAGUCHI E; YOKOZUKA H  
 PA SUMITOMO METAL MINING CO  
 PI WO 9641848 961227  
 DS AL; AM; AT; AU; AZ; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG; US; UZ; VN; AT; BE; CH; DE; DK; EA; ES; FI; FR; GB; GR; IE; IT; KE; LS; LU; MC; MW; NL; OA; PT; SD; SE; SZ; UG  
 AI WO 1996-IB565 960607

PRAI JP 1995-166783 950608

OS DERWENT 97065443

LA English

L6 ANSWER 4 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION

Full Text

INC. on STN

AN 96:4880 ENCOMPPAT;ENCOMPPAT2

DN 9611220

TI Catalyst carrier contg. titania - is used for hydrogenation and methylation catalysts and has good physical and mechanical properties.

IN LI D; SHEN B; SHEN Y

PA DEQING CHEM IND TECHNOLOGY DEV CO

PI WO 9614152 960517

DS AM; AT; AU; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK; ES; FI; GB; GE; HU; JP; KE; KG; KP; KR; KZ; LK; LT; LU; LV; MD; MG; MN; MW; NL; NO; NZ; PL; PT; RO; RU; SD; SE; SI; SK; TJ; TT; UA; US; UZ; VN; AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; KE; LU; MC; MW; NL; OA; PT; SD; SE; SZ

AI WO 1994-CN87 941104

PRAI WO 1994-CN87 941104

OS DERWENT 96251603

LA Chinese

L6 ANSWER 5 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION

Full Text

INC. on STN

AN 96:843 ENCOMPPAT;ENCOMPPAT2

DN 9610288

TI Heavy oil hydrogenation catalyst - consists of specific support loaded with cpds. of Group-VIA and/or Group-VIII elements, and having specified carbon content

PA IDEMITSU KOSAN CO LTD

PI JP 7289898 951107

AI JP 1994-92659 940428

PRAI JP 1994-92659 940428

OS DERWENT 96015654

L6 ANSWER 6 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION

Full Text

INC. on STN

AN 95:7216 ENCOMPPAT;ENCOMPPAT2

DN 9511884

TI Hydrogenative denitration and desulphurisation catalyst - comprises oxide support contg. boria, alumina and active metal e.g. chromium, molybdenum, tungsten, cobalt, etc.

PA SUMITOMO METAL MINING CO

PI JP 7155615 950620

AI JP 1993-309081 931209

PRAI JP 1993-309081 931209

OS DERWENT 95250902

L6 ANSWER 7 OF 7 ENCOMPPAT2 COPYRIGHT 2004 ELSEVIER ENGINEERING INFORMATION

Full Text

INC. on STN

AN 95:7213 ENCOMPPAT;ENCOMPPAT2

DN 9511881

TI Hydrogenative denitration desulphurisation catalyst - consists of oxide support contg. boria, silica, and alumina, catalytic active metal and additives

PA SUMITOMO METAL MINING CO

PI JP 7155603 950620

AI JP 1993-309082 931209

STN Columbus

PRAI JP 1993-309082 931209  
OS DERWENT 95250890

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